

U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND
CORPS OF ENGINEERS
696 Virginia Road
Concord, Massachusetts 01742-2751

Mailed
June
02, 2010
✓

June 1, 2010

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations there is enclosed a drawing showing results of survey in the following Federal project:

Saco River – Biddeford and Saco, ME

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

Stephen A. Johnston
STEPHEN A. JOHNSTON
for Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. 2666

JOHNSTON
PROOFREAD

NTM

DISTRIBUTION:
GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, LT JG Chmielecki - NETC Pier 2 – ATTN: Desiree Atnip, Newport,
RI 02841 – 1 copy of drawing, 1 copy of form

Capt. E. Howard McVay Jr. - Northeast Marine Pilots Incorporated, 243 Spring Street,
Newport, RI 02840 – 1 copy of drawing,

MAINE

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3
Manchester, ME 04351

Kevin Rousseau – Office of Freight and Business Services Maine
Department of Transportation - 16 State House Station - Augusta. ME 04333-0016
kevin.rousseau@maine.gov

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)**

DATE: **June 1, 2010**

TO:

FROM: U.S. Army Corps of Engineers
New England District
696 Virginia Road
Concord, MA. 01742-2751

RIVER/HARBOR NAME AND STATE: Saco River, Biddeford and Saco, Maine
Dwg. No. 2666, Sheets 1-4 of 4, Dated 1 June 2010

MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<u>CONDITION SURVEY</u>							
<u>8-Foot Channel</u>							
From about 305' seaward of Buoy GC-5 upstream 8,900' to Buoy RN-8	4/09	200 to 140	1.46	8.0	6.1	5.5	(1) 5.2
Thence upstream 2,425'	4/09	140	.40	8.0	8.0	7.5	6.3
<u>6-Foot Anchorage</u>							
Adjacent to north channel limit seaward of Town Pier System	4/09	200	3.0 acres	6.0		(1)(2) 4.5 Available	
<u>6-Foot Anchorage</u>							
Adjacent to north channel limit upstream of Town Pier System	4/09	310	6.14 acres	6.0		(3) 0.6 Available	
<u>6-Foot Anchorage</u>							
Adjacent to south channel limit upstream of Town Pier System	4/09	175	4.62 acres	6.0		4.5 Available	
Thence upstream about 19,020' to the upstream limit of Cow Island Channel	4/09		3.13		Naturally deep area and has never been dredged		

GENERAL NOTE: The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

FOOT NOTES:

- (1). Encroachment by floats and icebreakers located between the north channel limit and south limit of anchorage seaward of Town Pier System.
- (2). Except for shoaling to +0.5' within 25' along north limit from northwest corner to about 225' seaward of anchorage limit.
- (3). Except for scattered shoaling to +0.1' within 100' of west limit; 1.2' available on half east portion of limit.

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)**

PAGE 2 OF 2 PAGES

DATE: **June 1, 2010**

TO:	FROM: U.S. Army Corps of Engineers New England District 696 Virginia Road Concord, MA. 01742-2751
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RIVER/HARBOR NAME AND STATE: Saco River, Biddeford and Saco, Maine Dwg. No. 2666, Sheets 1-4 of 4, Dated 1 June 2010	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<p><u>CONDITION SURVEY</u></p> <p><u>8-Foot Channel</u></p> <p>From about the west end of Cow Island upstream about 2,410' half way around Half-Tide Island at end of Federal Navigation Project</p>	4/09	100 to 150 to 100 to 95	.40	8.0	3.4	(4) 3.4	(5) 2.4
<p><u>6-Foot Anchorage</u></p> <p>Area north, east and south of Half-Tide Island</p>	4/09		10.4 acres	6.0	Northern portion 5.7 Available Eastern portion +1.3 Available (6) Southern portion 1.5 Available (7)		

GENERAL NOTE: The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

FOOT NOTES:

- (4). Except for shoaling to 0.9' within the last 350' of reach.
- (5). Except for shoaling to 0.7' within the last 350' of reach
- (6). Shoal is located in an area approximately from Cow Island to Half-Tide Island; 5.0' available within 100' of northern limit of the anchorage.
- (7). Shoal is located from the east end of Half-Tide Island to approximately 250' upstream of the east end of Half-Tide Island; scattered shoaling to 3.4' on the north limit of the anchorage; 6.0' available in remainder of southern portion of anchorage.